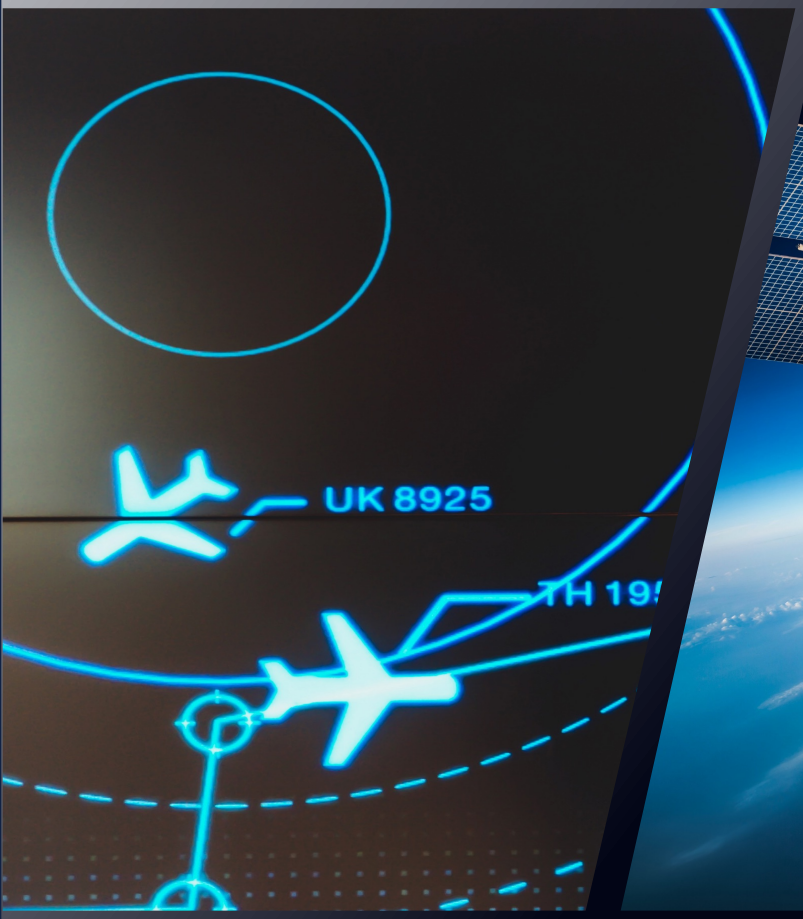
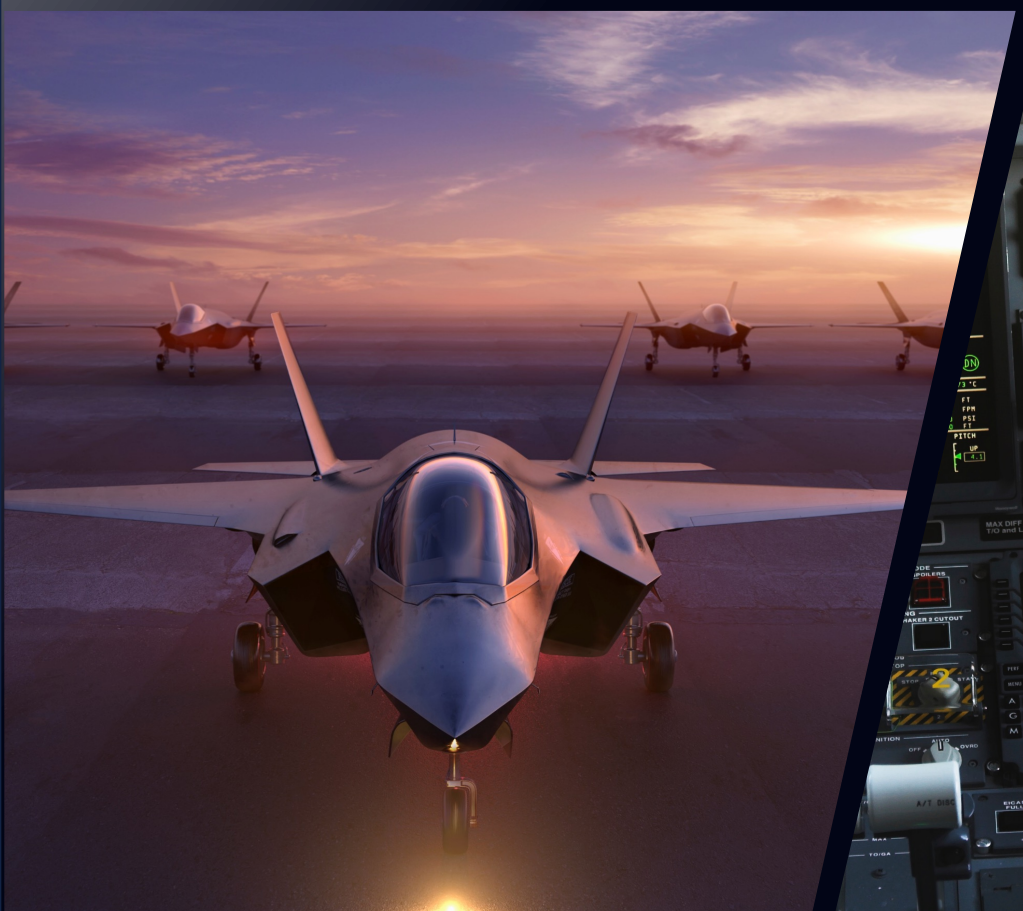
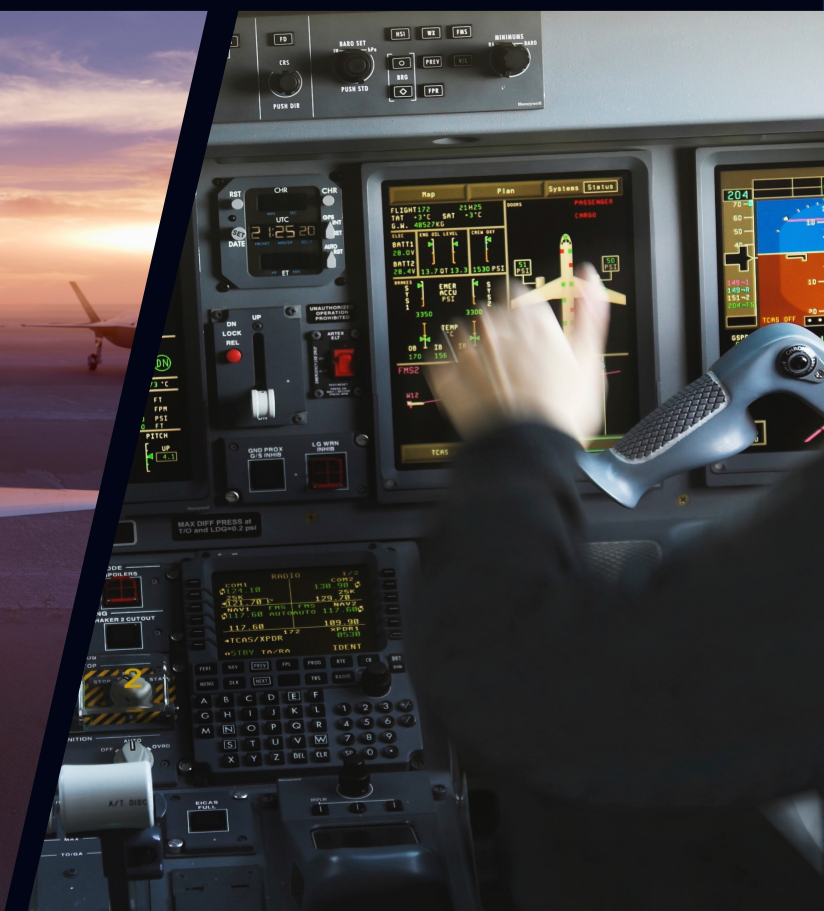
AMD × North Atlantic Industries

together we advance_

COTS Boards







PARTNER

North Atlantic Industries

PARTNER TIER

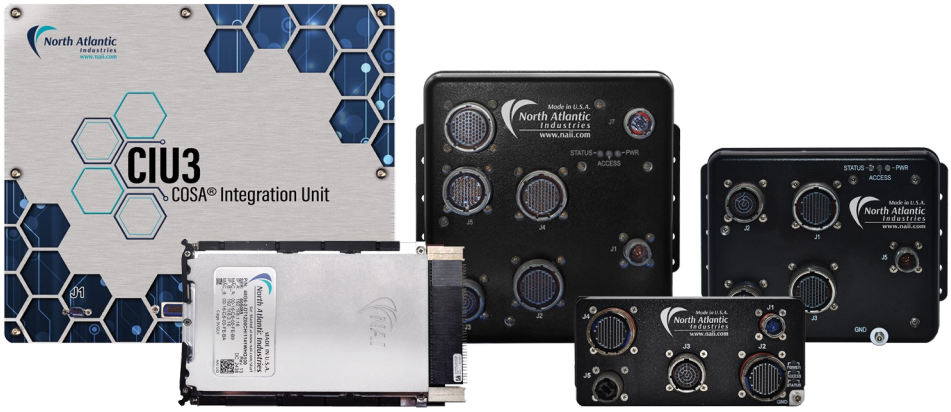
Premier

SOLUTION OFFERINGS

- Design Services

REGION OF CUSTOMER FOCUS

- North America



North Atlantic Industries (NAI) is a leading independent supplier of rugged embedded computing solutions for defense, aerospace, and industrial applications. We specialize in reducing development time and costs with our innovative Configurable Open Systems Architecture™ (COSA®), ensuring our customers can adapt and scale as missions evolve..

Our solutions are designed to align with MOSA, SOSA™, and FACE® standards, providing modular, interoperable systems that are ready for the future of mission-critical operations. From advanced processing and video capture to AI-driven situational awareness and secure communications, NAI's technology supports applications that demand reliability in the harshest environments.

As a vertically integrated company, we oversee every stage of production in-house, from design and manufacturing to integration and testing, ensuring uncompromising quality and consistency. Our rugged COTS products are deployed across a wide range of platforms, including fixed-wing and rotary aircraft, unmanned systems, ground vehicles, and naval applications, supporting missions wherever they go.

At NAI, we are committed to innovation and industry leadership, actively supporting open architecture initiatives that drive the future of embedded systems. We take pride in being a trusted partner to our customers, delivering the technology and support they need to stay ahead in a rapidly changing world.

Product Name	FPGA	Type of Board	Form Factor
68G5	AMD Zynq™ 7015	Multifunction I/O Board OpenVPX	3U (0.80” Pitch / 4HP)
68G5E	AMD Zynq™ 7015	Multifunction I/O Board OpenVPX	3U (0.80” Pitch / 4HP)
68G5P	AMD Zynq™ 7015	Multifunction I/O Board OpenVPX	3U (0.80” Pitch / 4HP)
68G6	AMD Zynq™ UltraScale+™	Multifunction I/O Board OpenVPX	3U SOSA™-aligned (0.80” Pitch / 4HP)
67G6	AMD Zynq™ UltraScale+™	Multifunction I/O Board OpenVPX	6U (0.8” Pitch / 4 HP)
75G5	AMD Zynq™	Multifunction I/O Board cPCI	3U (0.80” Pitch / 4HP)
79G5	AMD Zynq™	Multifunction I/O Board PCIe	PCIe (Full-height, half-size length)
79G5P	AMD Zynq™	Multifunction I/O Board PCIe	PCIe (Full-height, half-size length)
64G5	AMD Zynq™ 7015	Multifunction I/O Board VME	6U (0.8” Pitch / 4 HP)
68CB6	AMD Zynq™ UltraScale+™	High-Density I/O Board OpenVPX	3U (0.80” Pitch / 4HP)
68DT1	AMD Zynq™ 7015	High-Density I/O Board OpenVPX	3U (0.80” Pitch / 4HP)
68ARM1	AMD Zynq™ 7015	Single Board Computer OpenVPX	3U (0.80” Pitch / 4HP)
68ARM2	AMD Zynq™ UltraScale+™	Single Board Computer OpenVPX	3U (1.0” Pitch / 5HP)
68INT5	AMD Zynq™ 7015	Single Board Computer OpenVPX	3U (1.0” Pitch / 4HP or 5HP)
68PPC2	AMD Zynq™	Single Board Computer OpenVPX	3U (0.80” Pitch / 4HP)
75ARM1	AMD Zynq™	Single Board Computer cPCI	3U (0.80” Pitch / 4HP)
75INT6	AMD Zynq™ 7015	Single Board Computer cPCI	3U (0.80” Pitch / 4HP)
64ARM1	AMD Zynq™ 7015	Single Board Computer VME	6U (0.8” Pitch / 4 HP)

Product Name	FPGA	Type of System	Form Factor
NIU1A	AMD Zynq™ 7015	Rugged COTS System (Nano Interface Unit)	Integrated System
NIU2A	AMD Zynq™	Rugged COTS System (Nano Interface Unit)	Integrated System
NIU3A	AMD Zynq™ UltraScale+™	Rugged COTS Systems (Nano Interface Unit)	Integrated System
NIU3E	AMD Zynq™ UltraScale+™	Rugged COTS System (Nano Interface Unit)	Integrated System Gig-E Switch
CIU3	AMD Zynq™ UltraScale+™	COSA® Integration Unit	Integrated System

All performance claims are provided by NAI and have not been independently verified by AMD. Performance benefits can be impacted by a variety of variables. Results herein are specific to NAI and may not be typical. GD-181.